

What is claimed is:

Sub 1
1. A liquid crystal display including a pixel area and a driving circuit, comprising:

at least two electrode links each extended from the pixel area; and

at least two pad members in contact with the driving circuit and the electrode links, each pad members having a different size in accordance with a length of the electrode link.

2. A liquid crystal display according to claim 1, wherein each pad member includes:

an electrode pad connected to the electrode link; and

a transparent electrode in contact with the driving circuit and the electrode pad,

wherein any one of the electrode pad and the transparent electrode varies along with the length of the electrode links.

3. A liquid crystal display according to claim 2, wherein the electrode pad varies along with the length of the electrode link in at least one of a width, a length and a thickness.

4. A liquid crystal display according to claim 3, wherein the electrode pad is extended toward the pixel area to have a different length in accordance with the length of the electrode link.

5. A liquid crystal display according to claim 4, wherein, when the electrode link has a relatively long length, the electrode pad has a relatively long length.
6. A liquid crystal display according to claim 4, wherein, when the electrode link has a relatively short length, the electrode pad has a relatively short length.
7. A liquid crystal display according to claim 2, wherein the transparent electrode varies along with the length of the electrode link in at least one of a width, a length and a thickness.
8. A liquid crystal display according to claim 7, wherein the transparent electrode is extended toward the pixel area to have a different length in accordance with the length of the electrode link.
9. A liquid crystal display according to claim 8, wherein, when the electrode link has a relatively long length, the transparent electrode has a relatively long length.
10. A liquid crystal display according to claim 8, wherein, when the electrode link has a relatively short length, the transparent electrode has a relatively short length.
11. A liquid crystal display including a pixel area and a driving circuit, comprising:
 - at least two electrode links each extended from the pixel area; and

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members in contact with
having a different non-re
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connected to the electro
ode in contact with the
f the electrode pad and
rode links in its non-re
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ode links each extended
om each other; and
members in contact with
ode links are different f
ystal display accord
ely long length, the ele

an electrode pad connected to the electrode link; and

a transparent electrode in contact with the driving circuit and the electrode pad,

wherein any one of the electrode pad and the transparent electrode varies along

with the length of the electrode links in its non-resistivity.

at least two electrode links each extended from the pixel area, the electrode links having lengths different from each other; and

wherein the electrode links are different from each other in a width.

14. A liquid crystal display according to claim 13, wherein, when the electrode link has a relatively long length, the electrode link has a relatively wide width.

16. A liquid crystal display including a pixel area and a driving circuit,
comprising:

at least two pad members in contact with the driving circuit and the electrode links.

17. A liquid crystal display according to claim 16, wherein, when the electrode link has a relatively long length, the electrode link has a relatively low non-resistivity.

18. A liquid crystal display according to claim 16, wherein, when the electrode link has a relatively short length, the electrode link has a relatively high non-resistivity.

19. A liquid crystal display including a pixel area and a driving circuit,
comprising:

at least two electrode links each extended from the pixel area, the electrode links having lengths different from each other;

at least two pad members in contact with the driving circuit and the electrode links; and

at least two patterns for compensating a resistance difference due to a length difference between the electrode links.

20. A liquid crystal display according to claim 19, wherein the pattern varies along with the length of the electrode link in at least one of a width, a length and a thickness.

21. A liquid crystal display according to claim 20, wherein the pattern is extended toward the pixel area to have a different length in accordance with the length of the electrode link.

22. A liquid crystal display according to claim 21, wherein, when the electrode link has a relatively long length, the pattern has a relatively long length.

23. A liquid crystal display according to claim 21, wherein, when the electrode link has a relatively short length, the pattern has a relatively short length.

24. A liquid crystal display according to claim 20, wherein the pattern has a different non-resistivity in accordance with the length of the electrode link.

25. A liquid crystal display according to claim 24, wherein, when the electrode link has a relatively long length, the pattern has a relatively low non-resistivity.

26. A liquid crystal display according to claim 24, wherein, when the electrode link has a relatively short length, the pattern has a relatively high non-resistivity.

27. A liquid crystal display, comprising:
a plurality of electrode links, each having an associated length;
a substrate;
a plurality of electrode patterns on said substrate;
a plurality of transparent conductors, each in electrical contact with a corresponding one of said electrode patterns; and
a plurality of contact portions, each in electrical contact with a corresponding one of said plurality of transparent conductors and with a corresponding one of said plurality of electrode links, whereby each of said transparent conductors is in electrical communication with a corresponding electrode link;
wherein each of said transparent conductors has a length that depends on the length of its corresponding electrode link.

28. A liquid crystal display according to claim 27, further including a gate insulating film on said substrate.

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d crystal display according to claim 1, wherein said gate insulating film has a thickness that is less than or equal to one-tenth of the length of said gate electrode.

d crystal display according to claim 1, wherein said gate insulating film forms a plurality of gate electrodes having a predetermined gate electrode pattern.

d crystal display according to claim 1, wherein each gate electrode has electrical contacts with said electrodes.

d crystal display according to claim 1, wherein said gate electrode has a length that is equal to or greater than the length of the link.

d crystal display according to claim 1, wherein said gate electrode has a length that corresponds to the length of the link.

d crystal display according to claim 1, wherein each transparent conductive layer has a thickness that is less than or equal to one-tenth of the length of the corresponding electrode.

determined value.

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d crystal display according to claim 1, wherein said gate insulating film has a thickness that is equal to or greater than a predetermined value.

d crystal display according to claim 1, wherein said gate insulating film forms a plurality of gate electrodes having a corresponding electrode pattern.

d crystal display according to claim 1, wherein each gate electrode has electrical contacts with said electrodes.

d crystal display according to claim 1, wherein each gate electrode has a length that is equal to or greater than a predetermined link.

d crystal display according to claim 1, wherein each gate electrode has a length that corresponds to a predetermined value.

d crystal display according to claim 1, wherein each transparent conductive layer has a length that corresponds to a predetermined value.

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d crystal display according to claim 1, wherein said gate insulating film has a thickness that is less than or equal to one-half of the length of said gate electrode.

d crystal display according to claim 1, wherein said gate insulating film forms a plurality of gate electrodes having a corresponding electrode pattern.

d crystal display according to claim 1, wherein each gate electrode has electrical contacts with said electrodes.

d crystal display according to claim 1, wherein said gate electrode has a length that is equal to or greater than the length of the link.

d crystal display according to claim 1, wherein said gate electrode has a length that corresponds to the length of the link.

d crystal display according to claim 1, wherein each transparent conductive layer has a predetermined value.

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d crystal display according to claim 1, wherein said gate insulating film has a thickness that is equal to or greater than a predetermined value.

d crystal display according to claim 1, wherein said gate insulating film forms a plurality of gate electrodes having a corresponding electrode pattern.

d crystal display according to claim 1, wherein each pixel includes electrical contacts with said gate electrodes.

d crystal display according to claim 1, wherein each pixel has a length that is equal to or greater than a predetermined link.

d crystal display according to claim 1, wherein each pixel has a length that corresponds to a predetermined value.

d crystal display according to claim 1, wherein each transparent conductive layer has a thickness that is equal to or greater than a predetermined value.

d crystal display according to claim 1, wherein each transparent conductive layer has a thickness that corresponds to a predetermined value.

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d crystal display according to claim 1,
gate insulating film.

d crystal display according to claim 1,
insulating film form a plurality of
corresponding electrode patterns.

d crystal display according to claim 1,
electrical contacts with said electrodes.

d crystal display according to claim 1,
each has a length that is equal to or less than one link.

d crystal display according to claim 1,
each has a length that corresponds to a predetermined value.

an electrode link having a length;
a substrate;
an electrode pattern on said substrate;
a transparent conductor in electrical contact with said electrode pattern; and
a contact portion in electrical contact with said transparent conductor and with
said electrode link;

36. A liquid crystal display according to claim 35, further including a gate insulating film on said substrate.

38. A liquid crystal display according to claim 37, wherein said protective film and said gate insulating film form a pad portion on said electrode pattern.

39. A liquid crystal display according to claim 38, wherein said transparent conductor makes electrical contact with said electrode pattern via said pad portion.

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40. A liquid crystal display according to claim 35, wherein said electrode link has a resistance, and wherein said transparent conductor has a length such that the resistance between said electrode pattern and an end of said electrode link has a predetermined value.

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